



Ported Nose

Piezometer Nose with sintered stainless steel porous filter.

SPECIFICATIONS	
ITEM	SPECIFICATION
Accuracy	±0.1% FS T.E.B.**
Standard Pressure Ranges	0 - 1 m through 0 - 300 m
Compensated Temp. Range	-10°C to 80°C
Field Rangeability	Yes
Pressure Output	Current: 4-20 mA Voltage: 0-5V 0-10V
Temperature Output	Optional
Wetted Materials	Standard 316L SS Polyamide Fluorocarbon
Electrical Termination	Vented Hytrel Cable or Sealed Cable

OUTPUT SPECS		
SUPPLY	VDC	8 - 28 VDC
OUTPUT	2 wire analog	4 - 20 mA

* Conducted transients from indirect lightning activities.
** T.E.B.: Total Error Band: Includes the combined effects of non-linearity, hysteresis and non-repeatability as well as thermal dependencies, over the compensated temperature range, expressed as a percentage of the Basic Range.
All intermediate ranges are realized by deranging from standard Basic Ranges of 30, 100, 300 and 900 ft WC.

	PRODUCT CATEGORY:
	PIEZOMETERS + TRANSDUCERS

Strain Gauge Piezometer

The Strain Gauge Piezometer is specifically designed to meet the rigorous environments encountered in level measurement applications and to provide repeatable, precision depth measurements. It is available with either a ported nose cap or a piezometer nose incorporating a sintered stainless steel porous filter.

Ideal for small bore applications, and the ability to withstand rigorous environments encountered in ground and sea water depth measurements, the Strain Gauge Piezometer can also be used for dynamic pore pressure measurement applications. Highly reliable multi-stage transient* protection is standard. Each unit is shipped with a calibration card that specifies I/O conditions as well as actual data reflecting the unit's static accuracy and thermal characteristics.

> APPLICATIONS

Ground water and surface water monitoring.

Well monitoring. Deep aquifer measurement.

Hydrostatic pressure. Percolation tests.

Sea water depth. Site remediation.

Dewatering. Drawdown.

Slug tests. Dams.

> FEATURES

16-bit internal digital error correction.

316L SS flush-diaphragm sensor.

Small, rugged package withstands harsh environments.

Being calibrated and serialized, insures performance and NIST traceability.

Broad selection of pressure ranges offer a standard range for your specific requirements.

Unique cable seal system ensures water-tight integrity.

Full temperature compensation provides accurate data over extreme temperature excursions.

Instrumentation signal compatibility operates with RST data loggers and computer data acquisition systems.

ORDERING INFO

>> PLEASE STATE REQUIRED RANGES & CABLE LENGTHS WHEN ORDERING

ITEM	PART #
SEALED - WITH OPEN PORTED NOSE	
4-20 mA output	ELSGP510S
0-5 V output	ELSGP500S
SEALED - WITH PIEZOMETER NOSE	
4-20 mA output	ELSGP511S
0-5 V output	ELSGP501S

OTHER ORDERING INFO

Cable length	EL380004 EL380004K (Kevlar® reinforced)
Pressure range	Ported nose cap, or piezometer nose cap